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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/803,122	03/18/2004	In-sung Choi	1793.1221	5285
21171 7590 06/11/2007 STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			EXAMINER VO, TED T	
			ART UNIT 2191	PAPER NUMBER
			MAIL DATE 06/11/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/803,122

Applicant(s)

CHOI ET AL.

Examiner

Ted T. Vo

Art Unit

2191

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 18 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☐ Claim(s) \_\_\_\_\_ is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☒ Claim(s) 1-27 are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

***Election/Restrictions***

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

I. Claims 1-5 are drawn to a method and apparatus for generating a device driver having a plurality of functional components, comprising:

generating a file for each functional component of the device driver and a user interface;

rebuilding only a file corresponding to the functional component to be modified to make a device driver installation program when a modification of a functional component is needed; and

reconstructing the device driver information using a file corresponding to the functional component selected by a user on the device driver installation program and generating an update to the device driver using the reconstructed device driver information.

The functionality of the claims is thus for generating a device driver and reconstructing the device driver using a file corresponding to the functional component selected by a user on the device driver, and generating an update, using the reconstructed device driver information. The claims are classified in 717/120: Management of software components.

II. Claims 6-10 are drawn to a method and apparatus for generating a user interface screen for a device driver, comprising:

determining whether a particular information file including menu generation information for the user interface screen depending on a device model exists;

when the particular information file exists, extracting the menu generation information from the particular information file; and

generating the user interface screen for the device driver based on the extracted menu generation information.

The functionality of the claims is thus for generating the UI interface screen based on a menu generation information. The claims are classified in 715/700.

Art Unit: 2191

III. Claims 11-14, 27 are drawn to a method, apparatus, and recording medium for generating a user interface screen for a device driver, comprising:

installing the device driver and the user interface screen for the device driver in a host and requesting model dependent information from a device connected to the host;

receiving the model dependent information and model identification information from the device and determining whether the device can be driven by the device driver based on the model dependent information; and

in response to the determining that the device can be driven by the device driver, generating the user interface screen for the device driver using the model dependent information of the device.

The functionality of the claims is thus for installing the device driver and the user interface screen based on the model dependent information from the device and determining whether the device can be driven by the device driver based on the model dependent information. The claims are classified in 717/175: Software Installing.

IV. Claims 15-26 are drawn to a method, apparatus, and recording medium for generating a device driver of a peripheral, comprising:

selecting a predetermined number of functional components of the device driver;

modifying the selected predetermined number of functional components of the device driver while leaving other functional components of the device driver unmodified; and

updating the device driver with the modified predetermined number of functional components.

The functionality of the claims is thus for generating a device driver and updating the device driver with a predetermined and modified number of function components. The claims are classified in 717/169: Software Updating.

2. The Claims are in different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01).

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different modes of operation, different functions, different classification,

Art Unit: 2191

and the search required for a Group is not required for other Groups. Therefore the restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).


3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted T. Vo whose telephone number is (571) 272-3706. The examiner can normally be reached on 8:00AM to 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wei Y. Zhen can be reached on (571) 272-3708.

The facsimile number for the organization where this application or proceeding is assigned is the Central Facsimile number **571-273-8300**.

Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist: 571-272-2100. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TTV  
June 6, 2007

  
TED VO  
PRIMARY EXAMINER